## Exhibit A

IDEA DI	SCLOSURE FORM
Title of the Invention: Golf Ball Composition	- 12050RE FORM
Inventor(s): Hyun J Kim and Hong Joon	Idea #: B03-09 /o
Directions: Complete this form by providing a dust the additional sheet if you need more space. drawings, test results, etc. Do not forget to sign a them both signed and dated by a witness who und	
or ZDMA. Depends on the design of a golf ball, co performance. However, it is always preferred for a compression. Because that is directly related to hall loading levels of sulfur compounds, peroxides, or n However, it is difficult to decrease core compression of adjustments in C.O.R vs. core compression can a activator, greatly in the core of adjustments in C.O.R. vs. core compression can a	such as elastomers and subbers, have been used in golf ball veloped by crosslinking of unsaturation with thermo/chemic is golfball core, which is obtained mainly from crosslinked is together with ZnO and metal salt of scrylate, such as ZDA are compression can be adjusted to get a desired ball core to have a highest possible C.O.R. regardless of core I flight distance. It is generally known that increasing netal salt of scrylates increases core compression and C.O.R. a without bringing adverse effect on C.O.R. A limited rangulation of activator, concert.  The content of a material used in a golf ball, without bringing an adverse of a material used in a golf ball, without bringing an adverse
ubrication for easier processing, lower power consumes that peptizer has been used in rubber industry uprove mechanical properties after cure.  Inough rubber compounding trials and core moldinesses the rigidity (can be expressed as hardness, ) ore compression, etc) of a material without brings.	used during rubber compounding to accelerate the softening seat, or combination of those. The addition of chemical accelerate and fillers, and provides amption for mixing and lower processing temperatures. It as just a processing aid, not a key component to alter or as instanced, it has been found that peptizer can be used to young's modulus, dynamic modulus, flexural modulus, and an adverse effect in it's elastic behavior (can be ad it is the purpose of this invention to make a goif ball with unsaturation.
Hyun J Kinn  Ensure  Example Karan	Name Signature Date
messe Dear Sugare  meture Kleanfull	Disclosure Corresponds to Lab Book # Page No.  Confidential Information: The information is intended for the use of Taylor Made Golf Company. It contains information which is privileged, confidential and exempt from disclosure under applicable law. You are hereby notified that any dissemination, distributed or copying of this information is tracely applicable.

Additional Sheet: Title: Golf Ball Composition Idea # 1303-09-10 ILI. Golf Hall Composition a) golf ball with a composition comprising peptizer and polymer with unsaturation.
b) core composition for a golf ball comprises peptizer and polymer with unsaturation.
c) cover composition for a golf ball comprises peptizer and polymer with unsaturation.
c) cover composition for a golf ball comprises peptizer and polymer with unsaturation. d) composition of at least one intermediate layer comprises pertiner and polymer with unasturation.

e) golf ball composition in (a), (b), (c), and (d) further comprises a component selected from a list consisting of initiator, activator, orosalinking agent, co-crosslinking agent, accelerator, ionometic polymer, non-ionometic polymer, and-oxidant, UV-stabilizer, weight adjusting fillers, organic or inorganic fibers, colorant, and 1) The golf ball composition can be used to make 2 pc ball, 3 pc ball, or multilayered golf ball with or without incorporation of wound layer. g) The golf ball composition can be used to make a core having more than two core layers. II.2.Examples of peptizer Non-limited but some examples of peptizers are: Non-limited but some examples of peptizers are:

Zinc salts of fatty acids, oil solutions of high molecular weight sulfunic acids, paraffin mults of fatty acids, low molecular weight polyethylene, a neutralized sulfonate of high molecular weight in a paraffinic oil (Vanplast R. Vandarbilt-Co.), Dimitroso-N-methylamiline (Blastoper from Monsanto Co.), zinc salt of pentachlorothiophenol (Endor from E.I. Du Pont), thioxylenols (Pin-Consol 640 from Pint-Consol Chemical Co.), 4-t-butyl-o-thiocresol (Pint-Consol-646 from Pint-Consol Chemical Co.), pentachlorothiophenol (Renacit V from Naftone, RPA 6 from E.I. Du Pont, Struktol A95 from Struktol Co.), 2-naphthalenethio (RPA 2 from E.I. Du Pont), Xylene thiols (RPA 3 from E.I. Du Pont), and phenol sulfide (Xylex 780 from Xylos Rubber Co.), 2,2'-dibenzamido-diphenyl disulfide with activating additive and binder (Renacit 11/WG from Bayer), activated 2.2'-dibenzamido-diphenyl disulfide absorbed on a clay (Peotizer 4P, 6P, and Peotizer 66 from activated 2,2'-dibenzamido-diphenyl disulfide absorbed on a clay (Peptizer 4P, 6P, and Peptizer 66 from Akrochem), 0,0'-dibenzamidodiphenyl disulfide (Noctizer SS), zinc 2-benzamidothiophenolate (Noctizer SZ), phenylhydrazine salts, and 1,2-polybutadiene (RICON P-30/D from Sartomer). II.3. Examples of polymer with ausaturation Examples of polymeric materials for use within the scope of the present invention comprise any polymeric insterial having unsaturated hydrocarbon, unsaturated non-hydrocarbon, or mixture of those in the polymer structure, which can participate in a crosslinking reaction by thermal initiation, chemical initiation, irradiation Non-limited but some examples of those are: 1,2-polybutadiene, cis-1,4-polybutadiene, trans-1,4-polybutadiene, cis-polyisopaune, trans-polyisopaune, polychloroprene, polyisobutylene, styrene-butadiene robber, styrene-butadiene-styrene block copolymer, styrene-isoprene-styrene block copolymer, nitrile rubber, silicone rubber, millable polymerhane, and mixture of Inventor(s): Hong Jeon Hyun J Kim Name Signature Date

Witness:

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Additional Sheet

Title. Golf Ball Composition

Idea # B03-09 10

ILA. Examples of Crossinking Agent Sulfur compounds, peroxides, or mixinto of those can be used as chemical crosslinking agent. Non-limited but examples of suitable crosslinking agents for use within the scope of the present invention comprise alighstic peroxides, aromatic peroxides, or mixtures of these. Primary, secondary, or tertiary peroxides can be used, with tentiary peroxides most preferred. Also, peroxides containing more than one peroxy group can be used, such as 2,5-bis-(ten.buty) peroxy)-2,5-dimethyl herane and 1,4-bis-such as terr butylospropyl)-benzene. Also, peroxides that are either symmetrical or asymmetric can be used, such as terr butylospropyles and terr butylospropyles. Also, peroxides that are either symmetrical or asymmetric can be used, such as terr butylospropyles and terr butylospropyles. such as tert, butyleerbenzoste and tert. Butyleumyleeroxide. Additionally, peroxides having carboxy groups also can be used. Decomposition of peroxides used in compositions within the scope of the present invention. can be brought by applying thermal energy, shear, reactions with other chemical ingredients, or a combination of these cars of these. Homolytically decomposed peroxide, heterolytically decomposed peroxide, or a mixture of those can be used to promote crosslinking reactions with compositions within the scope of this invention. Examples of suitable peroxide compounds for use in compositions within the scope of the present invention include alighatic peroxides or atomatic peroxides, such as discety/peroxide, distent-buty/peroxide, dibenzoy/peroxide, dicumy/peroxide, 2,5-bis-(t-buty/peroxy)-2,5-dimethy/ hexane, 2,5-dimethy/-2,5-di(benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/peroxy)-2,5-dimethy/-2,5-dimethy/-2,5-di/benzoy/-2,5-2,5-dimethyl-2,5-di(butylperoxy)-3-hexyne, n-butyl-4,4-bis(t-butylperoxyl) valerate,
1,4-bis-(t-butylperoxylsopropyl)-benzene, t-butyl peroxybenzoste, 1,1-bis(t-butylperoxy)-3,3,5 trimethylcyclohexane, and di(2,4-dichloro-benzoyl). III, Summary of Data

	CB22	CB25	BR40	ZiO	SR416	SR638	ZEPCIP	T		
400		<del></del>				1	- CIF	Varox 231XI	C.O.R	P.GA-C
400	<del>                                     </del>	<del></del> -		69	14	126	<del> </del>	ALAL.	<del></del>	1
400	<del></del>			169	14	126	4.8	-	.819	191
	<del>-</del>			169	140	120		4	.816	57
100			<del></del>	69	140	<del> </del>	4.8	4	.813	63
	400	<del></del>	<del>                                     </del>	69		<del> </del>	6	4	1.811	48
	400	<del></del>	<del></del>		140			4	.816	83
	+	400	<del>- </del> -	69	140		4.8	·4	.811	39 : -
	<del> </del>			69	14	126		4	.813	
	<b></b> _	400		69	14	126	4.8	4		92
	1		400	69	14	126		7	.799	35
		·	400	69				4	.807	76
				700	114	126	4.8	4	-814	58

4 different grade of rubbers were used for the test with 2 varietions in ZDA mixture ratio. For each rubber, comparisons on C.O.R and P.G.A compression were made, with and without adding 4.8 pph ZaPCTP. Overall, adding ZaPCIP greatly decreased core compression with a small decrease in C.O.R. For CB10, the decrease of P.G.A compression was in the range of 26 – 45 with changes in C.O.R in the range of .003 - .008. For CB22, addition of ZnPCTP decreased P.G.A compression by 24 units, while C.O.R. was decreased by 0.005. For CB25, P.G.A compression was decreased by 57 units, while C.O.R. was changed from 0.813 to 0.799. This suggests that core compositions previously used to make a core having high C.O.R but with a high compression now can be used to make a core still having a high C.O.R but with a much lower core compression. This finding provides a huge flexibility in developing a core composition without experiencing those limitations coming from the conventional akills and knowledge on core compression vs. C.O.R.

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Signature	Signatury
Date	Date ,
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